

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0022] with the following amended paragraph:

[0022] In vertical cavity surface emitting lasers, mirrors are usually formed both above and below the active region. The mirrors reflect light back and forth through the active region multiple times in an effort to generate stimulated emission. Within the VCSEL cavity that is effectively bounded by the mirrors or by this mirror system, the light resonates vertically or perpendicularly to the pn-junction and some light emerges from a surface of the VCSEL. Because the light is resonating vertically, the cavity length of a VCSEL is often very short with respect to the direction of light travel and the length of the cavity thus has an effect on the ability of a ~~proton~~ photon to produce additional photons through stimulated emission, particularly at low carrier densities. The mirrors increase the likelihood of a photon stimulating the emission of an additional photon. As previously indicated, the light emitted by VCSELs typically has multiple transverse modes or wavelengths.